



RENO REFRACTORIES, INC

Reno AluSHIELD Lite 80

TECHNICAL DATA SHEET

Reno AluSHIELD Lite 80 is a strong 2600°F insulating castable. Volume stability and low thermal conductivity gives a thermally efficient lining with minimal cracking. Resists aluminum penetration.

Reno AluSHIELD Lite 80 has a density of 77 pounds per cubic foot.

SERVICE TEMPERATURE:	2600°F
MATERIAL REQUIRED FOR ESTIMATING:	77 lbs./cu. ft.
CASTING WATER:	35-40%

TYPICAL CHEMICAL ANALYSIS (Calcined Basis)

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂	MgO	CaO	Alkalies	Other
49	37	1	0.9	0.2	8.1	1.2	2

TYPICAL PHYSICAL PROPERTIES

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %
275	590	2,580	-0.1
1500	375	1,420	-0.2
2500	410	1,470	-0.3

PACKAGING: 50 lb. Bags, 40 per Pallet (2,000 lbs.)

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The data presented represents typical average results obtained by testing under ASTM or other acceptable procedures as required. They are subject to normal variations and should not be used for specification purposes.

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